

Roanoke River Flood Reduction Project Project Summary

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- Joint project between the City of Roanoke the US Army Corps of Engineers
- The estimated cost of the project is \$61 million; \$18 million is the local share funded by the City of Roanoke and the remaining \$43 million are federal funds
- The project has a long history dating back to the early 1970's. Several alternative plans were studied to provide flood control benefits to the Roanoke Valley. These included a flood control reservoir on Montgomery County.
- **The project has Four Basic components**
 - IFLOWS System – Flood forecasting system
 - Flood proofing of Roanoke Memorial Hospital
 - Flood Proofing of Water Pollution Control Plant
 - Flood Reduction to the Roanoke River Channel within the City of Roanoke
- **Expected Benefits** – Provides reduction in the extent and frequency of flooding associated with the 5 year, 10 year, and 25 year storm events. Some flood stage reduction is provided for the 100 year event.
- **Design Features** – essentially a channel widening and improvement project. The channel banks will be restored with native grasses and riparian plantings. There is very little rip rap and other mechanical features.
- **Two Project Phases**
 - Contract I – WPCP to Wasena Park
 - Contract II – Wasena Park to City of Salem limit
- **Greenway Trail** – a recreation trail is part of the project for the entire ten mile length of the project.
- **Project Schedule**
 - Contract I – Bid ready, all land and easements acquired - Expected start 2006
 - Contract II – In design phase – Expected start 2008
 - Project Completion 2010